

Appl. No.: 10/696,475
TC/A.U.: 3711 Docket No.: B03-61
Reply to Office Action of September 30, 2004

LISTING OF CLAIMS

Please amend the claims as follows:

1. (Currently amended) A golf ball comprising a core, a water vapor barrier layer and a cover, wherein the water vapor barrier layer has a moisture vapor transmission rate that is lower than that of the cover and the water vapor barrier layer comprises a non-ionomer terpolymer of ethylene, a softening acrylate class ester such as methyl acrylate, n-butyl-acrylate or iso-butyl-acrylate, and a carboxylic acid such as acrylic acid or methacrylic acid.
2. (Original) The golf ball set forth in claim 1, wherein the terpolymer is a terpolymer of ethylene, methyl acrylate and acrylic acid.
3. (Original) The golf ball as set forth in claim 1, wherein the acid level by weight in the terpolymer is in the range of about 3 % to about 25%.
4. (Original) The golf ball as set forth in claim 3, wherein the acid level by weight in the terpolymer is in the range of about 4 % to about 15%.
5. (Original) The golf ball as set forth in claim 4, wherein the acid level by weight in the terpolymer is in the range of about 7 % to about 11%.
6. (Original) The golf ball set forth in claim 1, wherein the terpolymer has a melt flow index in the range between about 1gram/10 minutes to about 500 grams/10 minutes.
7. (Currently amended) The golf ball set forth in claim 6, wherein the melt flow index of the terpolymer is in the range of about [[3]] 5 grams/10 minutes to about [[60]] 20 grams/10 minutes.
8. (Cancelled).

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9. (Cancelled).
10. (New) A golf ball comprising a core, a water vapor barrier layer and a cover, wherein the water vapor barrier layer has a moisture vapor transmission rate that is lower than that of the cover and the water vapor barrier layer comprises a blend of a terpolymer of ethylene, a softening acrylate class ester, and a carboxylic acid having a melt flow index in the range of about 5-20 g/10 min and a copolymer of ethylene and acrylic acid having a melt flow index of 300g/10 min or higher.
11. (New) The golf ball set forth in claim 10, wherein the terpolymer is a terpolymer of ethylene, methyl acrylate and acrylic acid.
12. (New) The golf ball as set forth in claim 10, wherein the acid level by weight in the terpolymer is in the range of about 3 % to about 25%.
13. (New) The golf ball as set forth in claim 10, wherein the acid level by weight in the copolymer is in the range of about 3 % to about 20.5%.
14. (New) The golf ball as set forth in claim 10, wherein the terpolymer is present in an amount of about 25%, 50% or 75% and the copolymer is present in an amount of about 75%, 50% or 25%.
15. (New) A golf ball comprising a core, a water vapor barrier layer and a cover, wherein the water vapor barrier layer has a moisture vapor transmission rate that is lower than that of the cover and the water vapor barrier layer comprises a blend of a terpolymer of ethylene, a softening acrylate class ester, and a carboxylic acid having a melt flow index in the range of about 5-20 g/10 min and a non-ionomeric copolymer of ethylene and methacrylic acid.
16. (New) The golf ball as set forth in claim 15, wherein the terpolymer is present in an amount of about 25%, 50% or 75% and the non-ionomeric copolymer is present in an amount of about 75%, 50% or 25%.